

# Receiving Report

Date: 13-8-21

Batch No: 126617

Supplier: ThyssenKrupp

Dart P/O: 20941

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☐ No ☒ N/A ☐  
 QC6 Inspection DAS ☐ N/A ☒  
 Work Order 16 ☐ N/A ☒  
9-89 13/08/21

## Discrepancies

Part Number	Description
M304 B0. 625 x 3.000	
304 B02. 625 x 3.00	

Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

SP

Production/Admin:

Date

Received/Costing

Initial

13-8-21  
SP

Location

# Purchase Order Receipt Listing

Wednesday, August 21, 2013 8:35:31 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO20941 Receipt Dates from 8/21/2013 to 8/21/2013 All Line Item Types  
All Item ID/GL/VOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO20941	3		M304R1.250 f	f	8/22/2013	8/21/2013	12.0000	\$8.11	0.0000	0	\$97.35
CAD	No		304 round bar 1.250 f ml26647	f	12.0000	DESJ02		\$97.35	0.0000	0	
	4		M304S18GA sf	sf	8/22/2013	8/21/2013	256.0000	\$3.12	0.0000	0	\$798.24
	No		304/316 .050 Sheet ml26647	sf	256.0000	DESJ02		\$798.24	0.0000	0	
	5		M6061T6B0.500X06. f	f	8/22/2013	8/21/2013	36.0000	\$6.80	0.0000	0	\$244.62
	No		000 6061-T6 Bar .500 x f 6.00 ml26647	f	36.0000	DESJ02		\$244.62	0.0000	0	
	6		M6061T6B0.750X00. f	f	8/22/2013	8/21/2013	12.0000	\$2.43	0.0000	0	\$29.21
	No		750 6061-T6 Bar .750 x f .750 ml26647	f	12.0000	DESJ02		\$29.21	0.0000	0	
	7		M6061T6B0.250X06. f	f	8/22/2013	8/21/2013	48.0000	\$3.38	0.0000	0	\$162.42
	No		000 6061-T6 Bar .250 x f 6.00 ml26647	f	48.0000	DESJ02		\$162.42	0.0000	0	
	8		M6061T6B0.750X01. f	f	8/22/2013	8/21/2013	96.0000	\$2.46	0.0000	0	\$236.44
	No		500 6061-T6 Bar .750 X f 1.50 ml26647	f	96.0000	DESJ02		\$236.44	0.0000	0	
	9		M6061T6B0.750X02. f	f	8/22/2013	8/21/2013	12.0000	\$3.39	0.0000	0	\$40.69
	No		000 6061-T6 Bar .750 x f 2.00 ml26647	f	12.0000	DESJ02		\$40.69	0.0000	0	

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name	VC-COP001	Thyssenkrupp Materials CA Ltd									
PO20941	10		M6061T6B1.250X01. f 250		8/22/2013	8/21/2013	24.0000	\$3.39	0.0000	0	\$81.38
CAD	No		6061-T6 Bar 1.25 x f 1.25 m126647		24.0000	DESJ02		\$81.38	0.0000	0	
<div> <div>Total Received Quantity:</div> <div>Total Qty to Inspect (PO U/M):</div> <div>Total Reject Quantity:</div> <div>Total Receipt Value:</div> <div>Total Balance Due Quantity:</div> </div> <div> 496.0000 0.0000 0.0000 \$1,690.35 0.0000 </div>											

42

B I L L O F L A D I N G

No: PEC 836872

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 19Aug13 at 14:41 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frnt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-596560- 1 Your PO # 20941  
STAINLESS STEEL ROUND BAR 304L  
1.250" DIA X 144.0000"

Heat Number Tag No  
H8J4 208380

Quantity PCS Wt LBS  
12 FT 1 53

MTR

2) Our Order PEC-596560- 2 Your PO # 20941  
STAINLESS STEEL SHEET 304-2B  
.0480 Nom X 48.0000" X 96.0000"

Heat Number Tag No  
300747 208562

Quantity PCS Wt LBS  
256.00 SFT 8 513

MTR

3) Our Order PEC-596560- 3 Your PO # 20941  
ALUMINUM FLAT BAR 6061-T6511  
.50" X 6.00" X 144.0000"

Heat Number Tag No  
C7331366 208381

Quantity PCS Wt LBS  
36 FT 3 128

MTR

4) Our Order PEC-596560- 4 Your PO # 20941  
ALUMINUM SQUARE BAR 6061-T6511  
.750" X 144.0000"

Heat Number Tag No  
21466608 208382

Quantity PCS Wt LBS  
12 FT 1 8

MTR

5) Our Order PEC-596560- 5 Your PO # 20941  
ALUMINUM FLAT BAR 6061-T6511  
.250" x 6.00" X 144.0000"

Heat Number Tag No  
21067 208383

Quantity PCS Wt LBS  
48 FT 4 86

MTR

Page: 1 ....Continued

NOTE 2118

VBDC 2554

613-8-21

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE  
RAPPORTEES IMMEDIATEMENT

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

RECU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVO/OST# 1017327981 T0001 TPS/GST TVH/HST # 140223934 RT0001

## B I L L O F L A D I N G

No: PEC 836872

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 19Aug13 at 14:41 From PFW  
 Probill  
 Via VIM TRANSFER  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

Ship To: ( 1)  
 DART AEROSPACE

## B I L L O F L A D I N G

6) Our Order PEC-596560- 6 Your PO # 20941

ALUMINUM FLAT BAR 6061-T6511

.750" X 1.50" X 144.0000"

Heat Number  
 21511

Tag No  
 208384

Quantity  
 96 FT

PCS  
 8

Wt LBS  
 127

MTR

7) Our Order PEC-596560- 7 Your PO # 20941

ALUMINUM FLAT BAR 6061-T6511

.750" x 2.00" X 144.0000"

Heat Number  
 21067

Tag No  
 208385

Quantity  
 12 FT

PCS  
 1

Wt LBS  
 21

MTR

8) Our Order PEC-596560- 8 Your PO # 20941

ALUMINUM SQUARE BAR 6061-T6511

1.250" X 144.0000"

Heat Number  
 21404

Tag No  
 208386

Quantity  
 24 FT

PCS  
 2

Wt LBS  
 44

MTR

TOTAL:

Tags  
 8

PCS  
 28

LBS  
 980

Heat Number

\*\*\* Chemical Analysis \*\*\*

21067  
 21404  
 21466608  
 21511  
 300747  
 C7331366  
 H8J4

8/13-8-21

ADD ON TO

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT

Page: 2 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE  
 RAPPORTEES IMMEDIATEMENT

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G  
Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 836872  
Ship Date 19Aug13 at 14:41 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

=====

B I L L O F L A D I N G

WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.  
ATTN: CHANTAL/LINDA  
\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL OF 1 SKID, 1 BDL GR.W. 991 LBS

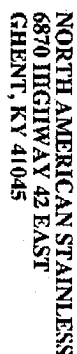
\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
\*\*\*\* TEL. 800-926-2600 \*\*\*\*  
\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*  
\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*  
\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 3 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

19Aug13  
Pg 1/1

19Aug13  
Pg 1/1



CORROSION: ASTM A262-10 Prac A/E OK

COMPLIES W/ REQUIREMENTS OF DEEN 255.225-701A-1 EU DIRECTIVE  
2011/65/EU. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

CHEMICAL ANALYSIS	CM(Country of Melt)	ES(Spain)	US(United States)	ZA(South Africa)	JP(Japan)	Chemical Analysis per ASTM A751-08
-------------------	---------------------	-----------	-------------------	------------------	-----------	------------------------------------

5 %	\$1 %
.0171	.2765

Product Id	1 d o i c r	HB No.	.215 KSI	UTS KSI	RA %	Elong % 4D
BF5595 5	RL	166.00	53.93	99.41	69.08	72.49

Technical  
Dept. Mgr

# Certificate of Mill Test Results

BL PEC-836872-003

19Aug13  
Pg 1/1

1



**<http://www.extrudex.com>**

BILL TO  
CART CODE  
DIE NUMBER  
DATE OF SHIPMENT  
2 EXTRUDE ORDER NO.  
MANIFEST NO

BILL TO	THYSSSENKRUPP MATERIALS, NA		CERT CODE:	1	0.27	DIE NUMBER	S	4652	DATE OF SHIPMENT	7/17/2013	EXTRUDE ORDER NO.	MANIFEST NO.
SHIP TO	THYSSSENKRUPP MATERIALS, NA		CUSTOMER PO	PEC-249835		ALLOY	6061	TEMPER	T6511	SALESMAN	FORBES DODWELL	
SO DESCRIPTION	500"x6" FB		CUSTOMER PART NUMBER	1-500-6000		PART DESCRIPTION						
<p style="text-align: center;"><b>MADE IN CANADA</b></p> <p style="text-align: right;">MIL. TEST ASTM B221-12</p>												

<u>Test Date</u>	<u>Ultimate Tensile Strength (KSI)</u>	<u>Yield Strength (KSI)</u>	<u>Percent Elongation</u>	<u>Hardness</u>	<u>Conductivity</u>

A11	6061	Jul/12/13	49.7	44.2	14.50	90.7	91.3	91.0
-----	------	-----------	------	------	-------	------	------	------

	Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sb	Sr	Co	Al	Other
A.11	C7331366	0.62	0.16	0.20	0.01	0.38	0.06	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.09	0.00	0.09	0.00	0.00	Remainder	0.01

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

*[Handwritten signature]*

**David Natale**  
Quality Control Manager

1-CUSTOMER COPY

**MILL TEST ASTM B221-12**

# THYSSENKRUPP MATERIALS NA

PO/Rel 20941

## Certificate of Mill Test Results

BL PEC-836872-005

19Aug13  
Pg 1/1

**DART AEROSPACE**  
ALUMINUM PLAT BAR 6061-T6511  
2.50" x 6.00" x 144.0000"  
PART NO.

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by: \_\_\_\_\_



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

### MILL TEST ASTM B221-12

BILL TO THYSSENKRUPP MATERIALS NA	1 CUSTOMER PO	0.46	DIE NUMBER S 2282	DATE OF SHIPMENT 6/21/2013	EXTRUDEX ORDER NO. 158672 - 1	MANIFEST NO. 289789
SHIP TO THYSSENKRUPP MATERIALS NA	PEC-249405		ALLOY 6061	TEMPER T6511	SALESMAN FORBES DODWELL	
ISO DESCRIPTION 2.50"x6" FB	CUSTOMER PART NUMBER 1-250-6000		PART DESCRIPTION			
					CERTIFICATION MILL TEST ASTM B221-12	

### Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Jun/19/13	41.2	37.7	14.30	86.8, 86.5, 86.9	

### Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ca	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 21067 6061	0.54	0.216	0.199	0.061	0.83	0.045	0.00	0.013	0.015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Remainder

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale  
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST ASTM B221-12

# Certificate of Mill Test Results

19Aug13  
Pg 1/1

Signed by:

<http://www.extrudex.com>

## MANIFEST NO.

**289789**

MILL TEST ASTM B221-12

### Conductivity

88.4, 88.0, 88.7

Si	0.54	Fe	0.216	Cu	0.199	Mn	0.061	Mg	0.83	Cr	0.045	Ni	0.00	Zn	0.013	Ti	0.015	Ga	0.00	V	0.00	B	0.00	Zr	0.00	Bi	0.00	Pb	0.00	Sn	0.00	Sr	0.00	Co	0.00	Al	0.00	Other	0.00
----	------	----	-------	----	-------	----	-------	----	------	----	-------	----	------	----	-------	----	-------	----	------	---	------	---	------	----	------	----	------	----	------	----	------	----	------	----	------	----	------	-------	------

*[Handwritten signature]*

**David Natale**  
Quality Control Manager

1 - CUSTOMER COPY

**MILL TEST ASTM B221-12**

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B  
 .0480 Nom X 48.0000" X 96.0000"  
 PART NO.

PO/Rel 20941

We certify that this is a true copy of the report  
 furnished by the producer of the metal, or data  
 resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-836872-002

19Aug13

Signed by: \_\_\_\_\_

Pg 1/1

<b>OUTOKUMPU</b> <b>Outokumpu Stainless USA</b>		<b>INSPECTION CERTIFICATE</b> CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / N° de certificado / Bescheinigungs-Nr. <b>0000045408 /</b> Page / Pagina / Seite: <b>1 / 1</b>							
1 ThyssenKrupp Drive, P.O. Box 13000, Calvert, AL 36513-1300 GLOBAL STAINLESS STEEL INC. 1150 MEYERSIDE DRIVE MISSISSAUGA ON L5T 1J4 CANADA			Customer/Ship to / Cliente / Besteller/Empranger GLOBAL STAINLESS STEEL INC., MISSISSAUGA Customer's order number / N° de Pedido Cliente / Kundencastell-Nr. <b>100192</b> Manufacturer's works order no. / N° de Pedido Manufactura / Werksauftrags-Nr. 901153446 / 001 Delivery note no. / N° de Entrega / Lieferanzahl-Nr. 85243083 / 010 Product / Producto / Erzeugnis SHEET/HOJAS/BLECH Steel grade and quality / Acero / Stahlsorte und Gütegruppe <b>TYPE 304L/304</b>								
Terms of delivery / Condiciones de entrega / Lieferbedingungen ASTM A240/A240M, ASME SA-240 Sec.II Part A Ed.2010 ASTM A480/A480M, ASME SA-480 Sec.II Part A Ed.2010											
Customer's material no./ N° de material del cliente/ Kundenmaterial-Nr.		Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge)		Steel-making procedure/ Proceso de manufact./ Herstellert							
		1.22 mm x 1.210.20 mm x 2.438.40 mm 0.0480 inch x 48.0000 inch x 96.0000 inch		AOD Ilc / 2B							
Packing-Nr./ N° de Paquete/ Paket-Nr.	No. of pieces/ Piezas/ Stückzahl	Actual weight/ Peso actual/ Ist-Gewicht	Coil No./ Bobina No./ Band-Nr.	Heat No./ Coleda/ Schmelz-Nr.	Sample Id./ N° de muestra/ Proben-Id.						
6033527	70	4,165 lb / 1,889 kg	709244	300747	1000045340						
Sum / Suma / Summe		70	4,165 lb / 1,889 kg								
Heat / Coleda / Schmelze	Country of heat / País de coleda / Erschmelzungsland	Chemical composition / Composicion Química / Chemische Zusammensetzung									
300747	ITA	% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Ni	% N	% Cu
		0.025	0.31	1.88	0.030	0.0010	18.04	0.22	8.07	0.056	0.28
Sample Position/ Localización de la muestra/ Probenlage		TRANSVERSE									
Inspection lot/ Lote de inspección/ Profilos	YS0.2% PSI / MPa	TS PSI / MPa	E. A2" %	HRB							
1000045340	38,433 / 265	92,385 / 637	58.1	82							
1000045341	40,319 / 278	92,385 / 637	57.8	82							
Dimensions-surface / Dimensiones-Superficie / Maße-Oberfläche: OK											
Test of identity (spectrum analysis) / Control de identidad (análisis espectrográfico) / Verwechslungsprüfung (Spektralanalyse): OK											
HEAT - TREATMENT :1920°F/AIR											
No weld repairs											
No intentional additions of Mercury compounds were made or used											
Free of radioactive contamination											
EU RoHS Directive 2011/65/EU Compliant											
Product manufactured in the USA											
Country of Heat as per ISO 3166-1											
Originator of the document / Originador del documento / Aussteller der Bescheinigung			The information provided is a true copy of data on file / Los valores mostrados corresponden a los datos archivados / Die generierten Werte entsprechen den gespeicherten Daten				Date of issue and validation Fecha de emisión y validación Datum Ausstellung / Bestätigung				
<b>Outokumpu Stainless USA, LLC</b> An ISO 9001: 2008 certified company			Andrew Faucett Phone: +1 251 829 3492				05/20/2013				
Certificate is generated automatically / Certificado es generado automáticamente / Das Zeugnis wurde elektronisch erstellt			Name of expert / Nombre del experto / Name des Sachverständigen								

# THYSSENKRUPP MATERIALS NA

PO/Rel 20941

DART AEROSPACE  
ALUMINUM SQUARE BAR 6061-T6511  
750" X 144.0000"  
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-836872-004

19 Aug 13  
Pg 1/2

**sapa**

Sapa Industrial Extrusions  
53 POTTSVILLE STREET  
CRESSONA, PA  
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoiced To Customer

THYSSENKRUPP MATERIALS NA INC  
2821 LANGSTAFF ROAD  
ATTN: ACCOUNT PAYABLE

CONCORD, ON - L4K 5C6

Ship To Customer

THYSSENKRUPP MATERIALS NA INC  
2821 LANGSTAFF ROAD

CONCORD, ON - L4K5C6

## Certified Inspection Report

Sales Order Number	Issue No.	Customer P/O	Cert Number	Page
1100631881	1	PEC-250128-001	SAPA804245	1 of 2
Date Shipped	Item No.	Item Description	Cert Creation Date	Cert Print Date
23-JUL-13	508	19.05MM SQUARE BAR	23-JUL-13	23-JUL-13

Quantity Shipped	Unit	Date Shipped	Item No.	Item Description	Specification
508	LB	23-JUL-13	448058	0.750 SQ 144.000 IN LN 750 M MIL W/F 0.692 F 04 CS 1.1 166176511	ASTM B221 REV 13 AMS-QQ-A-2008 REV 1997 ASTM B221 REV 09 UNSP490061 REV
			Delivery Id	4448318	
			Customer Part No.	75SQ	

Applicable Specifications, Revisions and Exemptions

19.05MM SQUARE BAR  
COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Signature And Title

*William T. Martin, III*

William Martin III

Tech/Quality Manager

23-JUL-13

**Legal Statement**  
We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material had the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight
G12-PRG1994130	21466008	64	FCS	Gross: 514 Net: 508

Composition Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn
6061	Min: 0.40 Max: 0.80	Min: 0.70 Max: 0.15	Min: 0.40 Max: 0.15	Min: 0.15 Max: 0.80	Min: 1.20 Max: 0.04	Min: 0.35 Max: 0.25	Min: 0.25 Max: 0.25

# THYSSENKRUPP MATERIALS NA

PO/Rel 20941

Certificate of Mill Test Results

BL PEC-836872-004

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6S11

750" X 144.0000"

PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

19 Aug 13  
Pg 2/2

**sapa**

Sapa Industrial Extensions  
53 POTTSVILLE STREET  
CRENSHAW, PA  
17929-0187

## Certified Inspection Report

Sale Order Number	Line No.	Customer P/O	Cert Number	Page
1100631881	1	PEC-250128-001	SAPA804245	2 of 2
			Cert Creation Date	Cert Print Date
			23-JUL-13	23-JUL-13

Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
60.61	0.15	0.05	0.05	0.05	0.05	0.05	0.15		

12/30/12

### Composition Results

Material	Si	Mn	Cu	Mg	Cr	Pb	Fe	Pb	Others
5032098	0.65	0.27	0.20	0.06	0.23	0.05	0.03	0.02	0.02

### Mechanical Property - Test Limits

Test	UTS - L	UTS - L	EL 40D Long
16S11	21466008	5	42.7

### Cert Notes

Products manufactured with a T6S11 temper also meet T6 temper requirements.  
Yield strength has been determined by the 0.2% offset method.  
All mill finish alloys produced at Sapa Industrial Extensions comply with Directive 2011/63/EU (Rolls 2) with the exception of 6262 alloy.  
In accordance with EN 10204 Inspection Certificate Type 3.1  
Metallized in the USA or Other Qualified Countries as Defined by DEARS 225.872.1  
Made in USA

# THYSSENKRUPP MATERIALS NA

PO/Rel 20941

## Certificate of Mill Test Results

BL PEC-836872-008

19Aug13  
Pg 1/1

DART AEROSPACE  
ALUMINUM SQUARE BAR 6061-T6511  
1.250" X 1.44" 00007  
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
<http://www.extrudex.com>

MILL TEST ASTM B221-12

BILL TO THYSSENKRUPP MATERIALS NA

Part Code: 1

DIE NUMBER S

DATE OF SHIPMENT 8/2/2013

EXTRUDEX ORDER NO. 159959 — 2 MANIFEST NO. 292311

SHIP TO THYSSENKRUPP MATERIALS NA

CUSTOMER PO PEC-250355

ALL TEMP 6061 T6511

SALESMAN

FORBES DODWELL

30 DESCRIPTION 1.25" SQ

CUSTOMER PART NUMBER 3-1250

PART DESCRIPTION

CERTIFICATION MILL TEST ASTM B221-12

### Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Jul/30/13	44.0	41.1	12.50	90.3, 90.0, 90.5	

### Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
21404 6061	0.58	0.235	0.207	0.077	0.84	0.048	0.00	0.007	0.012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Remainder

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale  
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST ASTM B221-12

# THYSSENKRUPP MATERIALS NA

## Certificate of Mill Test Results

DART AEROSPACE

PO/Rel 20941

BL PEC-836872-006

ALUMINUM PLAT BAR 6061-T6511

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

19Aug13  
Pg 1/1

750" X 1.50" X 144,0000"

resulting from tests made in approved labs.

Signed by:

19Aug13  
Pg 1/1



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
<http://www.extrudex.com>

### MILL TEST ASTM B221-12

REL TO	THYSSENKRUPP MATERIALS, NA	Cert Code:	1	DATE OF SHIPMENT	8/12/2013	EXTRUDEX ORDER NO.	159998 - 10	MANIFEST NO.	292797
SHIP TO	THYSSENKRUPP MATERIALS, NA	CUSTOMER PO	PEC-250379	DATE OF SHIPMENT	8/12/2013	SALESMAN	FORBES DODWELL		
NO DESCRIPTION	750" X 1.5" FB	CUSTOMER PART NUMBER	1-750-1500	DATE OF SHIPMENT	8/12/2013	TELEPHONE			
		DATE OF SHIPMENT	8/12/2013	DATE OF SHIPMENT	8/12/2013	CERTIFICATION	MILL TEST ASTM B221-12		

### Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Aug/08/13	45.0	41.4	16.00	86.1, 86.5, 86.7	

### Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 21511 6061	0.58	0.209	0.196	0.068	0.82	0.043	0.00	0.0090	0.014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale  
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST ASTM B221-12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO20941**

Purchase Order Date 8/15/2013

PO Print Date 8/16/2013

Page Number 1 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

*REVISED \$ QTY*

**Contact Name**  
**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
2	M304B0.625X3.000	304 BAR .625 X 3.00	8/30/2013 Yes 8/30/2013		10.00 f	\$18.70	\$187.00
MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE							
							<b>Line Total:</b> \$187.00
3	M304R1.250	304 round bar 1.250	8/22/2013 Yes 8/22/2013		12.00 f	\$8.33	\$100.00
MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE							
							<b>Line Total:</b> \$100.00

**PO Instructions:** NO: PEC ST-595990

**Note:**

8/16/2013



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO20941**

Purchase Order Date 8/15/2013

PO Print Date 8/16/2013

Page Number 2 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

**Customer POID**

**Customer Tax #**

**Terms**

**Currency**

**FOB**

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

4	M304S18GA	304/316 .050 Sheet	8/22/2013	256.00	\$3.20	\$819.97
			Yes	sf		
			8/22/2013			

MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER  
MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR  
ASTM A240 OR ASME SA240

**Line Total:** \$819.97

5	M6061T6B0.500X06.000	6061-T6 Bar .500 x 6.00	8/22/2013	36.00	\$6.98	\$251.28
			Yes	f		
			8/22/2013			

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

**Line Total:** \$251.28

6	M6061T6B0.750X00.750	6061-T6 Bar .750 x .750	8/22/2013	12.00	\$2.50	\$30.00
			Yes	f		
			8/22/2013			

MATERIAL SPEC'S SAME AS ABOVE

**Line Total:** \$30.00

**PO Instructions:** NO: PEC ST-595990

**Note:**

8/16/2013



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO20941**

Purchase Order Date 8/15/2013

PO Print Date 8/16/2013

Page Number 3 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905 669 9444

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** Yours ppd  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

7	M6061T6B0.250X06.000	6061-T6 Bar .250 x 6.00	8/22/2013 Yes 8/22/2013	✓ 48.00 f	\$3.48	\$166.84
---	----------------------	-------------------------	-------------------------------	--------------	--------	----------

MATERIAL SPEC'S SAME AS ABOVE

**Line Total:** **\$166.84**

8	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	8/22/2013 Yes 8/22/2013	✓ 96.00 f	\$2.53	\$242.88
---	----------------------	-------------------------	-------------------------------	--------------	--------	----------

MATERIAL SPEC'S SAME AS ABOVE

**Line Total:** **\$242.88**

9	M6061T6B0.750X02.000	6061-T6 Bar .750 x 2.00	8/22/2013 Yes 8/22/2013	✓ 12.00 f	\$3.48	\$41.80
---	----------------------	-------------------------	-------------------------------	--------------	--------	---------

MATERIAL SPEC'S SAME AS ABOVE

**Line Total:** **\$41.80**

8813-8-21

**PO Instructions:** NO: PEC ST-595990

**Note:**

8/16/2013



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO20941**

Purchase Order Date 8/15/2013

PO Print Date 8/16/2013

Page Number 4 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: Yours ppd  
Ship Acct:

Buyer  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

10	M6061T6B1.250X01.250	6061-T6 Bar 1.25 x 1.25	8/22/2013	24.00	\$3.48	\$83.60
			Yes	f		
			8/22/2013			

MATERIAL SPEC'S SAME AS ABOVE

813-8-21

Line Total: \$83.60

PO Total: \$1,923.36

PO Instructions: NO: PEC ST-595990

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.  
No substitution or deviation without consent.  
Certificate of Conformity or Material Certification required - YES NO  
PST# 6122-5207

Change Nbr: 2 Change Date: 8/16/2013